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PTQ-0027
Van Eyk et al.
09/115,589
July 15, 1998

In the Figures:

Please replace Figure 4 with a corrected copy of Figure 4 provided herewith.

In the Claims:

Please cancel claims 29-52, without prejudice.

Please amend claims 5 and 17 as follows:

D⁷
5. (amended) A method for assessing muscle damage in a subject, comprising evaluating for the presence or absence of at least two different myofilament protein modification products in a biological sample wherein said at least two different myofilament protein modifications products are from the same protein.

D⁸
17. (amended) The method of claim 16, wherein the muscle damage is due to at least one condition selected from the group consisting of hypoxia, hypoxemia, ischemia, fatigue and reperfusion.

Please add the following new claims:

D⁹
-53. A method for assessing muscle damage in a subject, comprising evaluating for the presence or absence of a myofilament protein modification product in a biological sample obtained from a subject being assessed for muscle damage wherein said myofilament

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protein modification product comprises a peptide fragment of a myofilament protein.

54. The method of claim 53 wherein the peptide fragment is selected from the group consisting of a peptide fragment of α -actinin, a carboxyl-terminal region of troponin I, an amino-terminal region of troponin I, a peptide fragment of troponin T, and a peptide fragment of myosin light chain 1.

55. A method for assessing muscle damage in a subject, comprising evaluating for the presence or absence of a myofilament protein modification product in a biological sample obtained from a subject being assessed for muscle damage wherein said myofilament protein modification product comprises a covalent complex of two intact proteins or protein fragments. --

REMARKS

Claims 1-52 are pending in the instant application. Claims 29-52 have been withdrawn from consideration by the Examiner and subsequently canceled by Applicants, without prejudice. Claims 1-4 and 6-28 have been rejected and claim 5 has been objected to as being dependent on a rejected claim. Claims 5 and 17 have been amended. New claims 53-55 have been added. No new matter has been